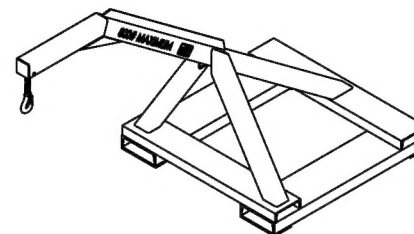
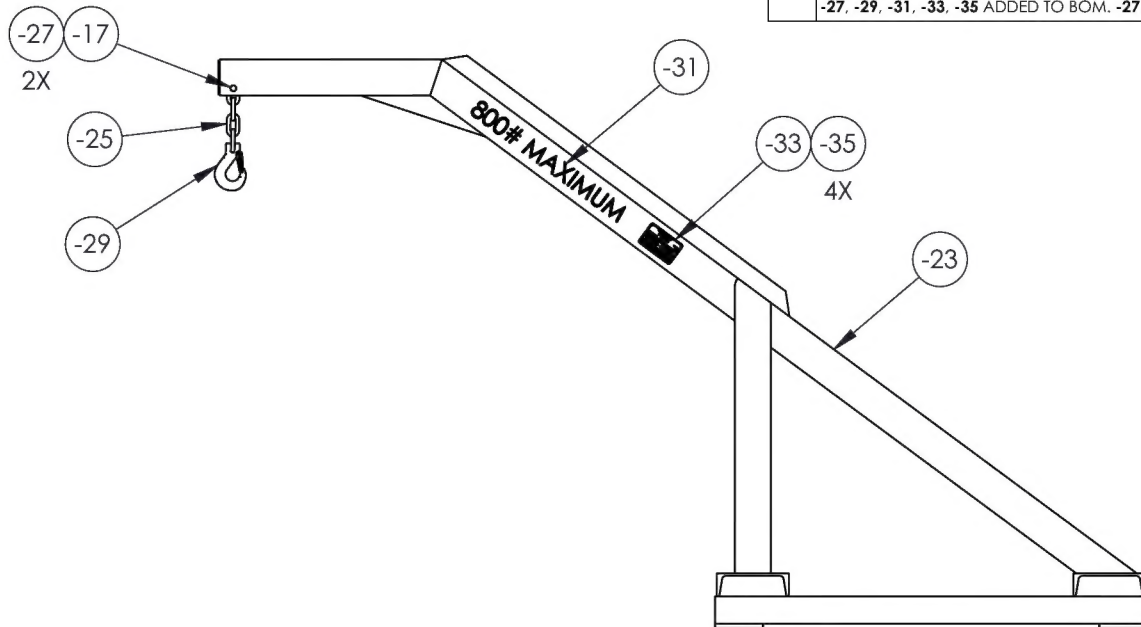


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	CH'D TITLE BLOCK & PLACARD WAS RED BARN IS DART. REDRAWN IN SOLIDWORKS. UPDATED TO NEW DRAFTING STANDARDS. CH'D TOLERANCE ON NON-CRITICAL PARTS. -1 CH'D DIM WAS 2X 1/4-20 THRU IS 2X Ø.281 THRU. -5 CH'D B/O INFO WAS 3 X 3 X 3/16 WALL X 72-1/8 IS 3 X 3 X 3/16 WALL X 72. -7 CH'D B/O INFO WAS 3/16 X 1-1/2 X 37-1/4 IS 3/16 X 1-1/2 X 36. -10 ADDED PART. -19 CH'D B/O INFO WAS Ø1 X 1/4 WALL X 3/4 IS Ø1 X 3/4. -17 ADDED FINISH BLACK OXIDE. -21, -23, -25, -27, -29, -31, -33, -35 ADDED TO BOM. -27 & -29 ADDED B/O P/N'S. -33 WAS B/O IS IN HOUSE.	6/20/2014	DPD	GE



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	1		-1		SQUARE TUBE	1018	3 X 3 X 3/16 WALL X 18-1/2	2
	1		-3		SQUARE TUBE	1018	3 X 3 X 3/16 WALL X 11	3
	1		-5		SQUARE TUBE	1018	3 X 3 X 3/16 WALL X 72	4
	1		-7		RIB	A36	3/16 X 1-1/2 X 36	5
	1		-9		SQUARE TUBE	1018	3 X 3 X 3/16 WALL X 29	6
	1		-10		SQUARE TUBE	1018	3 X 3 X 3/16 WALL X 29	7
	2		-11		CHANNEL, STRUCTURAL	STEEL	C6 X 8.2 X 36	8
	2		-13		CHANNEL, STRUCTURAL	STEEL	C8 X 11.5 X 36	9
	4		-15		PLATE	A36	3/8 X 4 X 8	10
			-17	1	PIN	1018	Ø1/2 X 3	11
	2		-19		BUSHING	1018	Ø1 X 3/4	12
	1		-21		CAP	1018	1/8 X 3 X 3	13
	X		-23	1	FRAME WELDMENT			14
		B/O	-25	1	CHAIN	STEEL	Ø5/16 X 4 LINKS EUGENE EQUIPMENT	1
		B/O	-27	2	SET SCREW	STEEL	1/4-20 X 1/4 MCMMASTER-CARR #98637A401	1
		B/O	-29	1	HOOK WITH CLEVIS	STEEL	EUGENE EQUIPMENT #C5516L	1
		B/O	-31	1	DECAL	VINYL	YELLOW "800# MAXIMUM" SIGNS NOW	15
			-33	1	DART PLACARD	ALUMINUM	RED BARN #RB41011	1
		B/O	-35	4	DRIVE SCREW	STEEL	#2 X 1/8 MCMMASTER-CARR #90081A074	1
	ASSY -23							



TITLE
FORKLIFT CRANE ATTACHMENT

DWG NO. **RBT18630**

REV
2

MAT'L **DRAWN BY: DUERFELDT**

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
APPROVED *D Weil*

.XXX ± .005 FRACTIONS ± 1/32
XX ± .01 ANGLES ± 5°

.X ± .1
SPEC

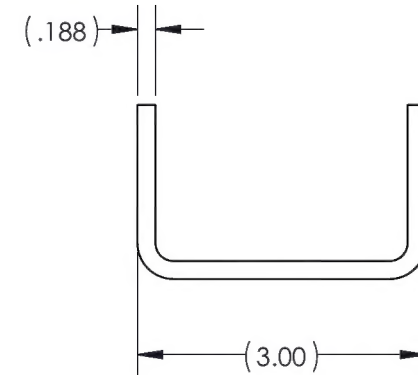
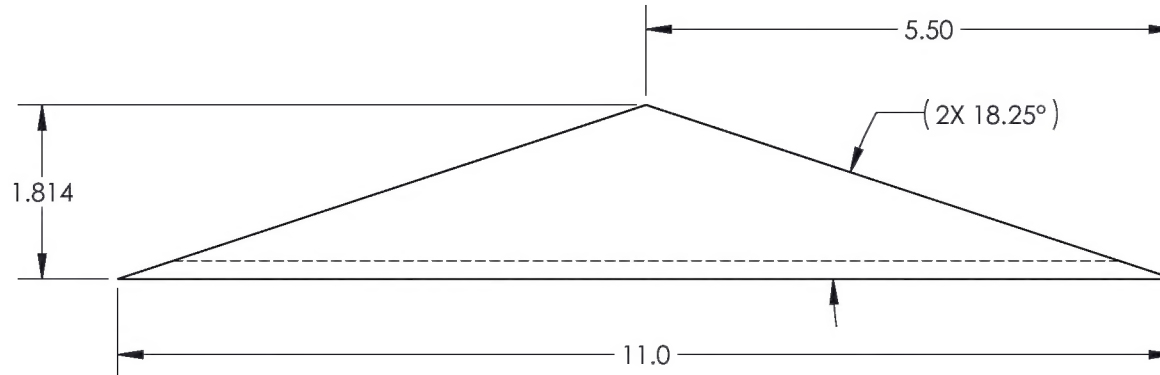
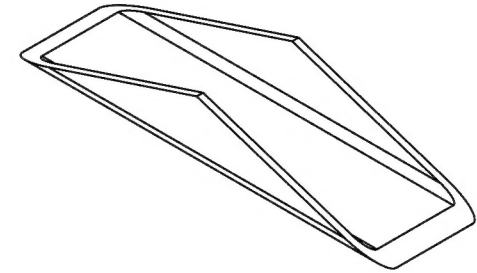
1. BREAK ALL SHARP EDGES .015 x 45°
OR .015R

2. DIMENSIONAL LIMITS APPLY AFTER PLATING

SCALE **1:16** DATE **6/20/2014** SHEET **1 OF 15**

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

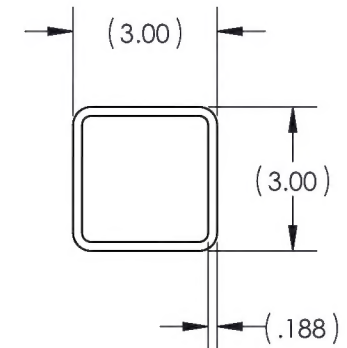
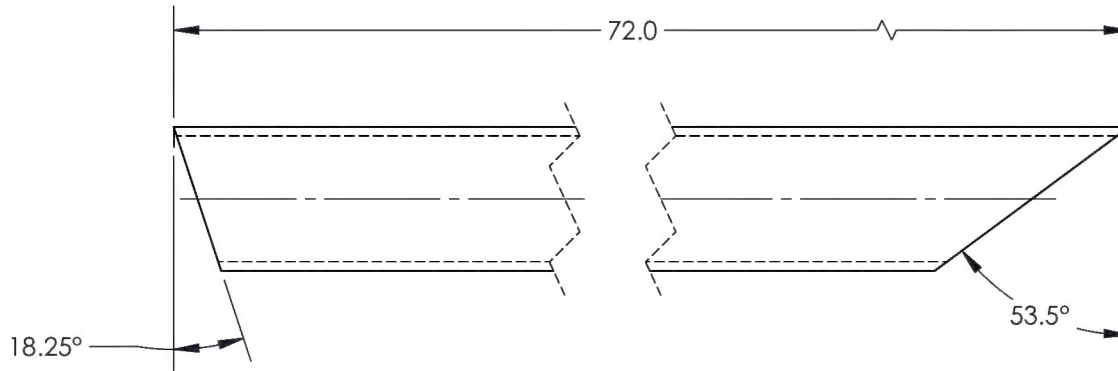
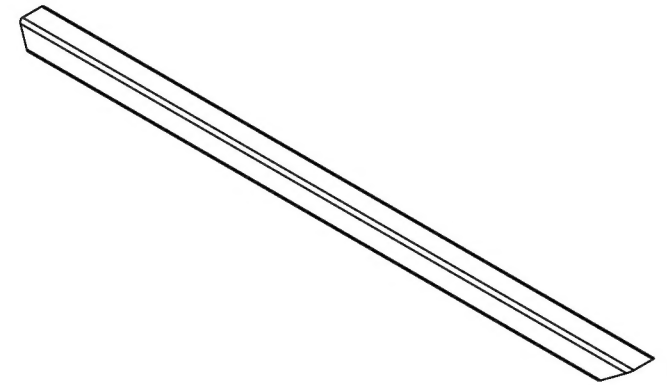


③
SQUARE TUBE

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-3	REV 2
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -23 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 6/20/2014
SHEET 3 OF 15	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

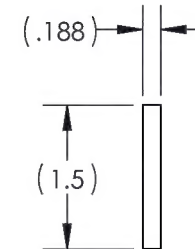
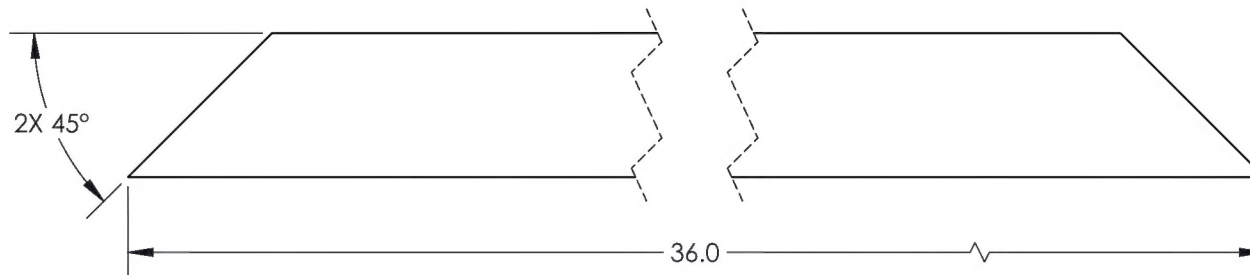
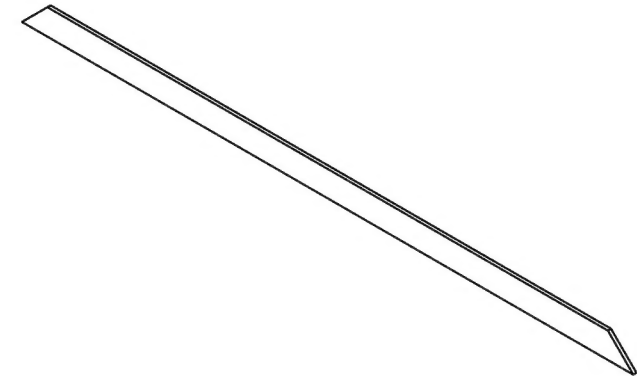


(-5)
SQUARE TUBE

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-5	REV 2
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -23 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 6/20/2014
SHEET 4 OF 15	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



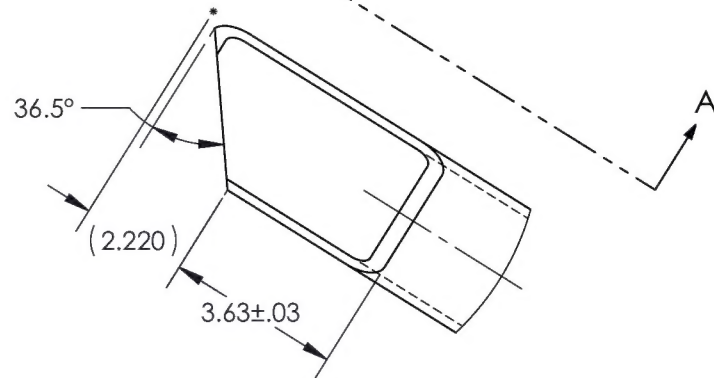
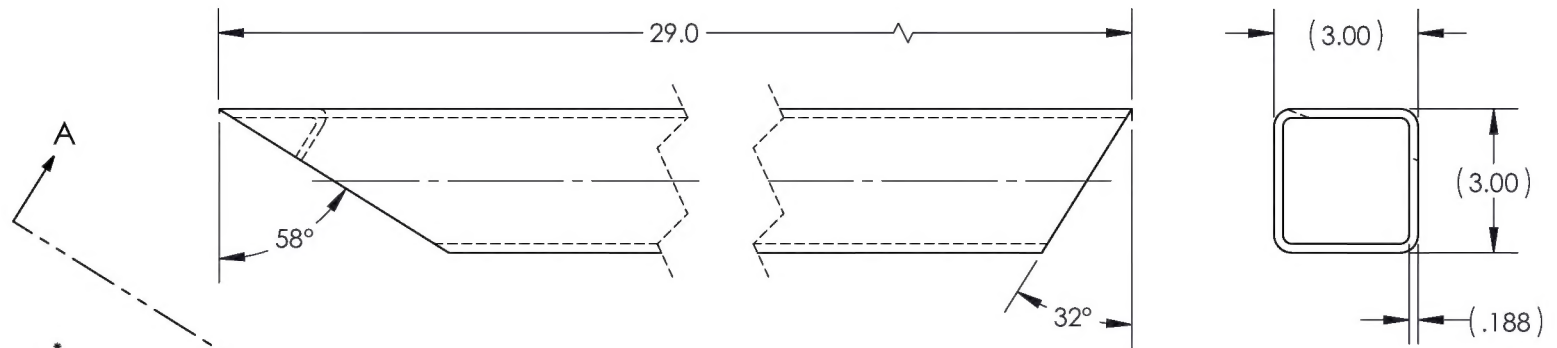
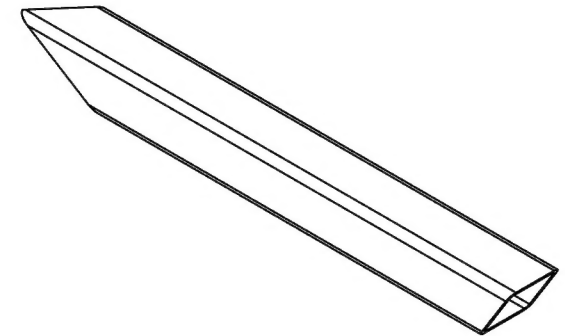
(-7)

RIB

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-7	REV 2
MAT'L A36	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -23 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 6/20/2014
SHEET 5 OF 15	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



VIEW A-A

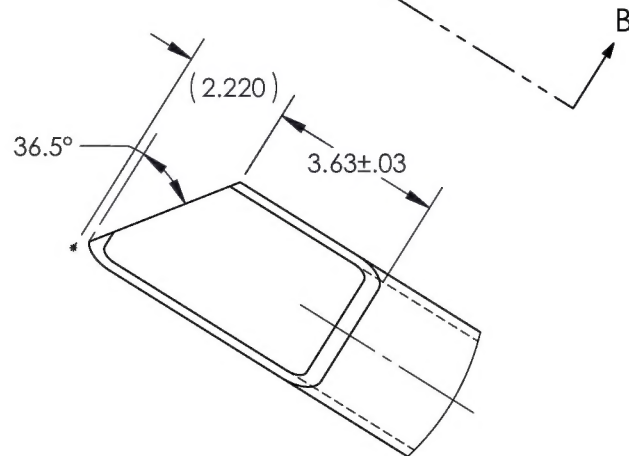
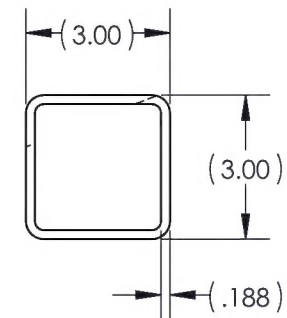
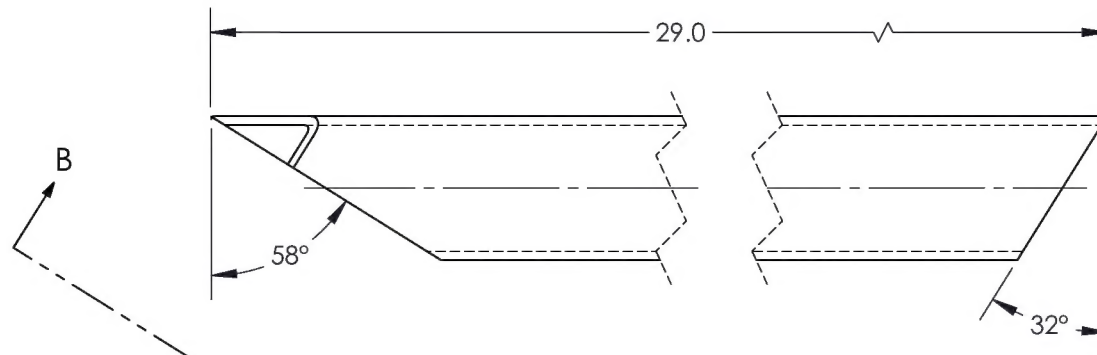
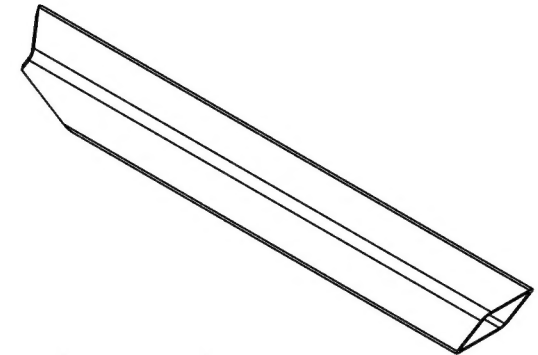
⑨

SQUARE TUBE

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-9	REV 2
MAT'L 1018	DRAWN BY:
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -23 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE
SHEET 6 OF 15	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	-10 ADDED PART.	6/24/2014	DPD	GE



VIEW B-B

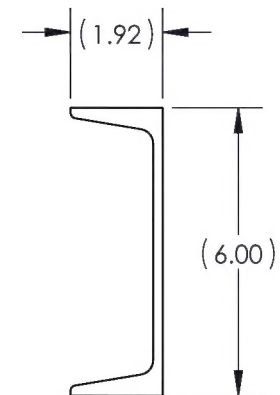
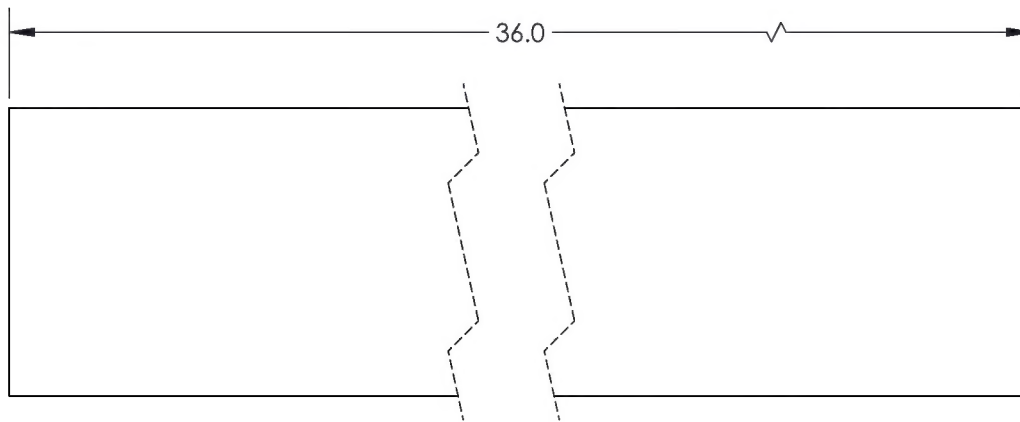
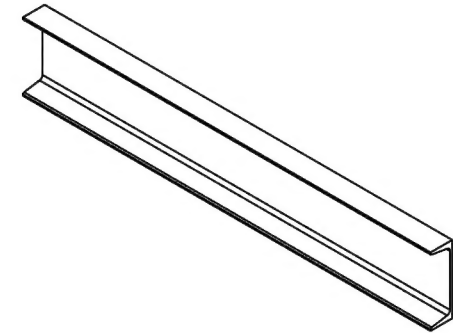
(-10)

SQUARE TUBE

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-10	REV 2
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -23 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 6/20/2014
SHEET 7 OF 15	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



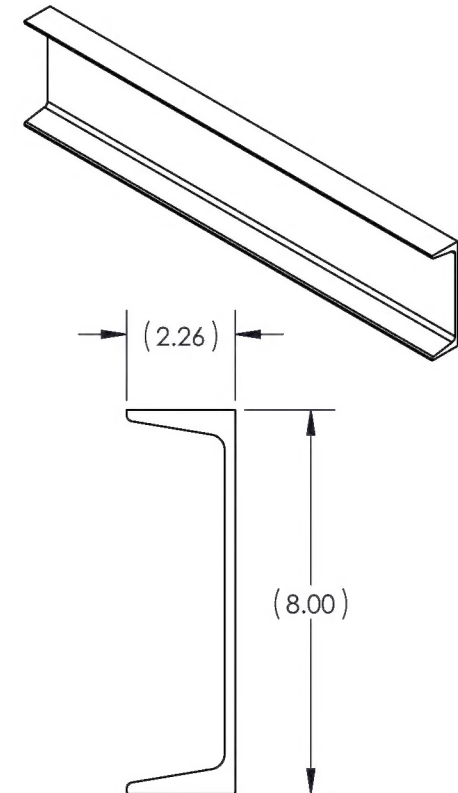
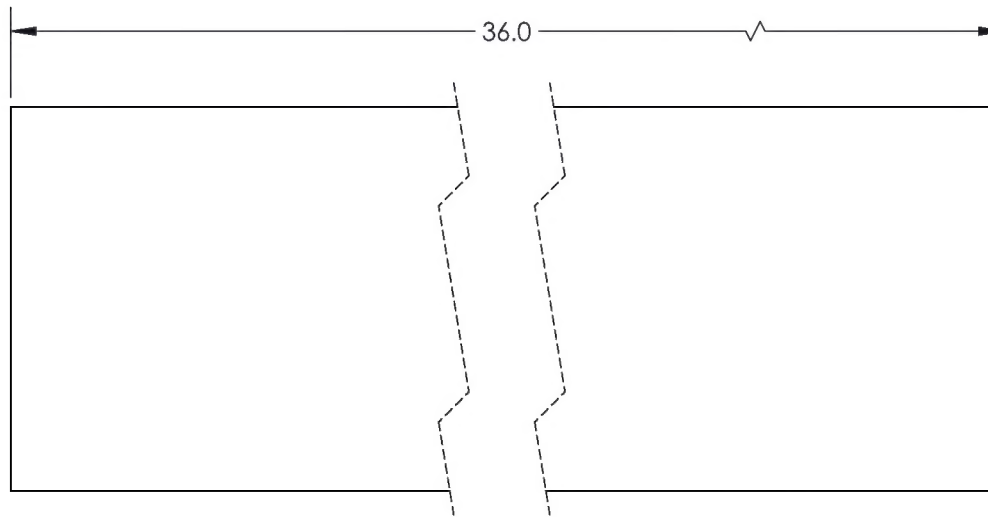
(-11)

CHANNEL, STRUCTURAL

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-11	REV 2
MAT'L STEEL	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -23 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 6/20/2014
SHEET 8 OF 15	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED

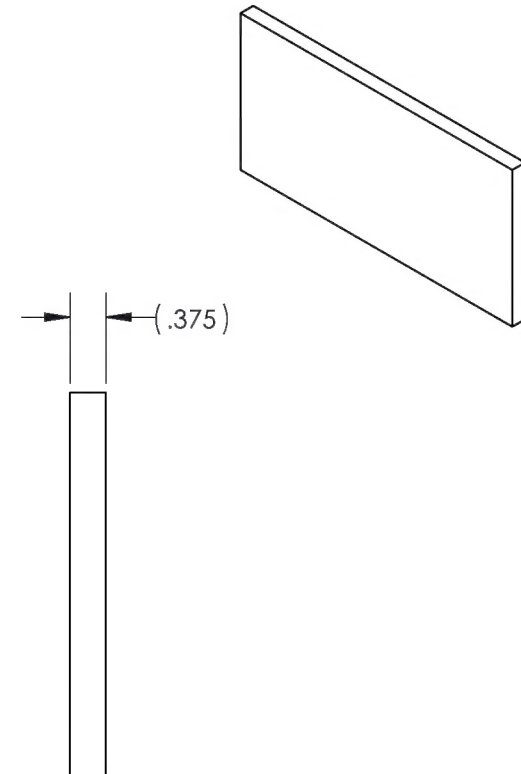
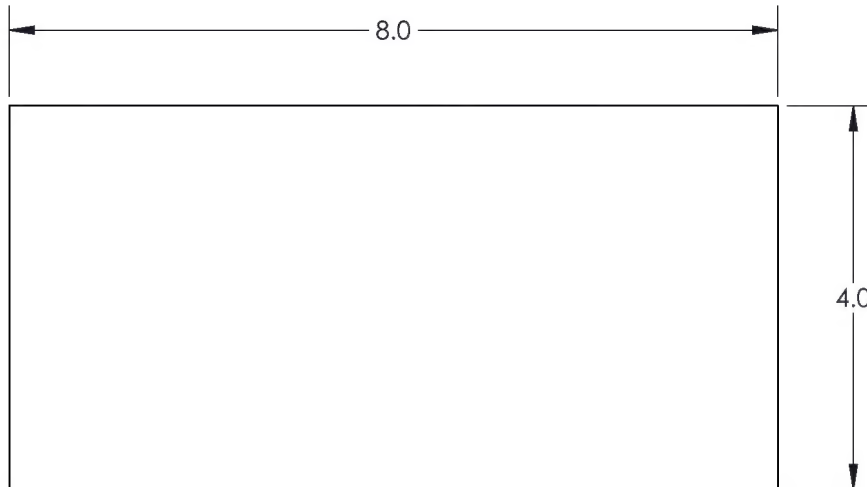


(-13)
CHANNEL, STRUCTURAL

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-13	REV 2
MAT'L STEEL	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -23 WELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:4	DATE 6/20/2014
SHEET 9 OF 15	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED

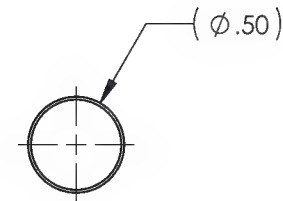
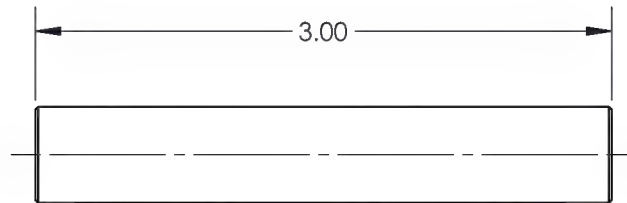
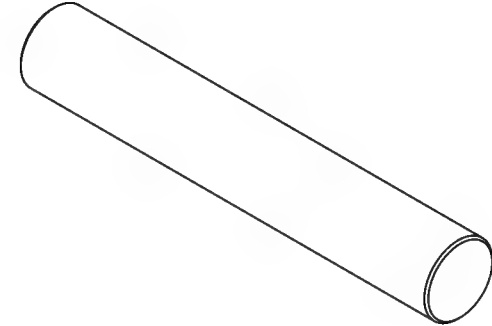


(-15)
PLATE

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-15	REV 2
MAT'L A36	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -23 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 6/20/2014
SHEET 10 OF 15	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
2	-17 ADDED FINISH BLACK OXIDE.	6/23/2014	DPD	GE



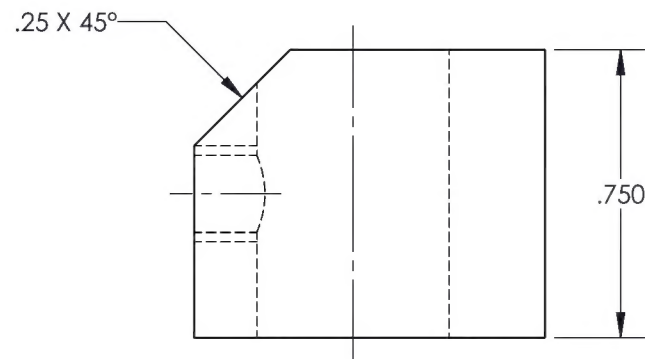
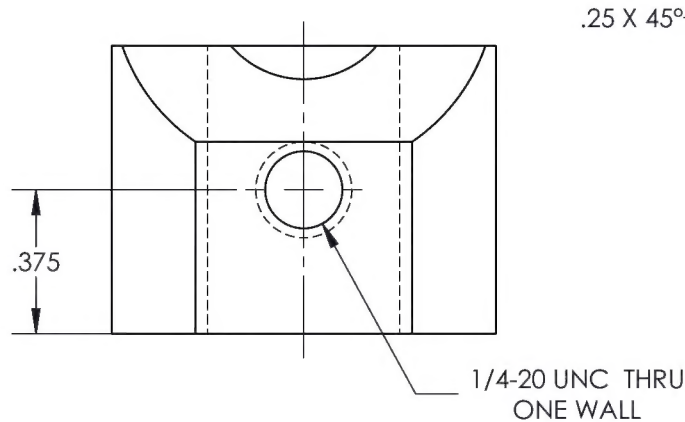
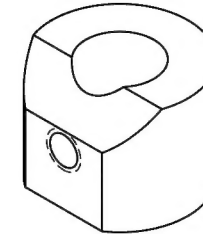
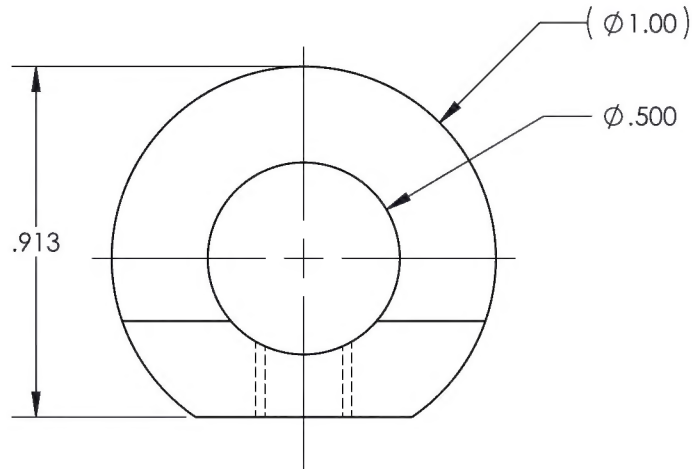
(-17)

PIN

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-17	REV 2
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/32	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH BLACK OXIDE
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 6/20/2014 SHEET 11 OF 15

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL

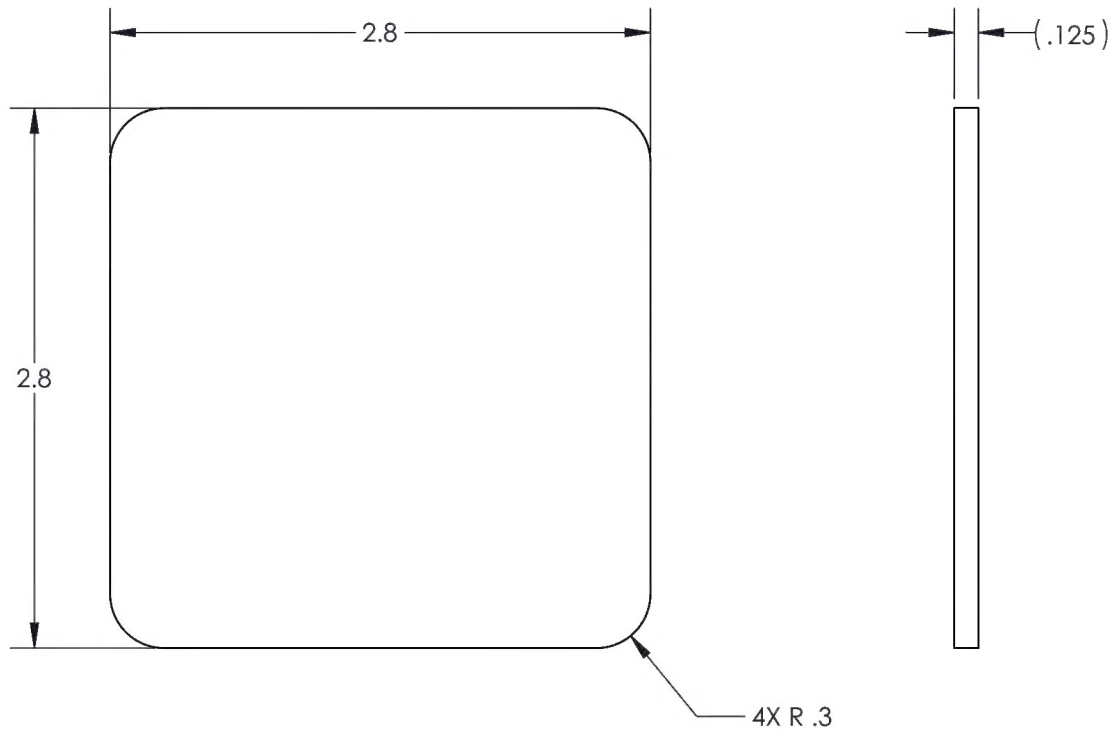


(-19)
BUSHING

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-19	REV 2
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -23 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 2:1	DATE 6/20/2014
SHEET 12 OF 15	

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REV	DESCRIPTION	DATE	INITIAL	APPROVED



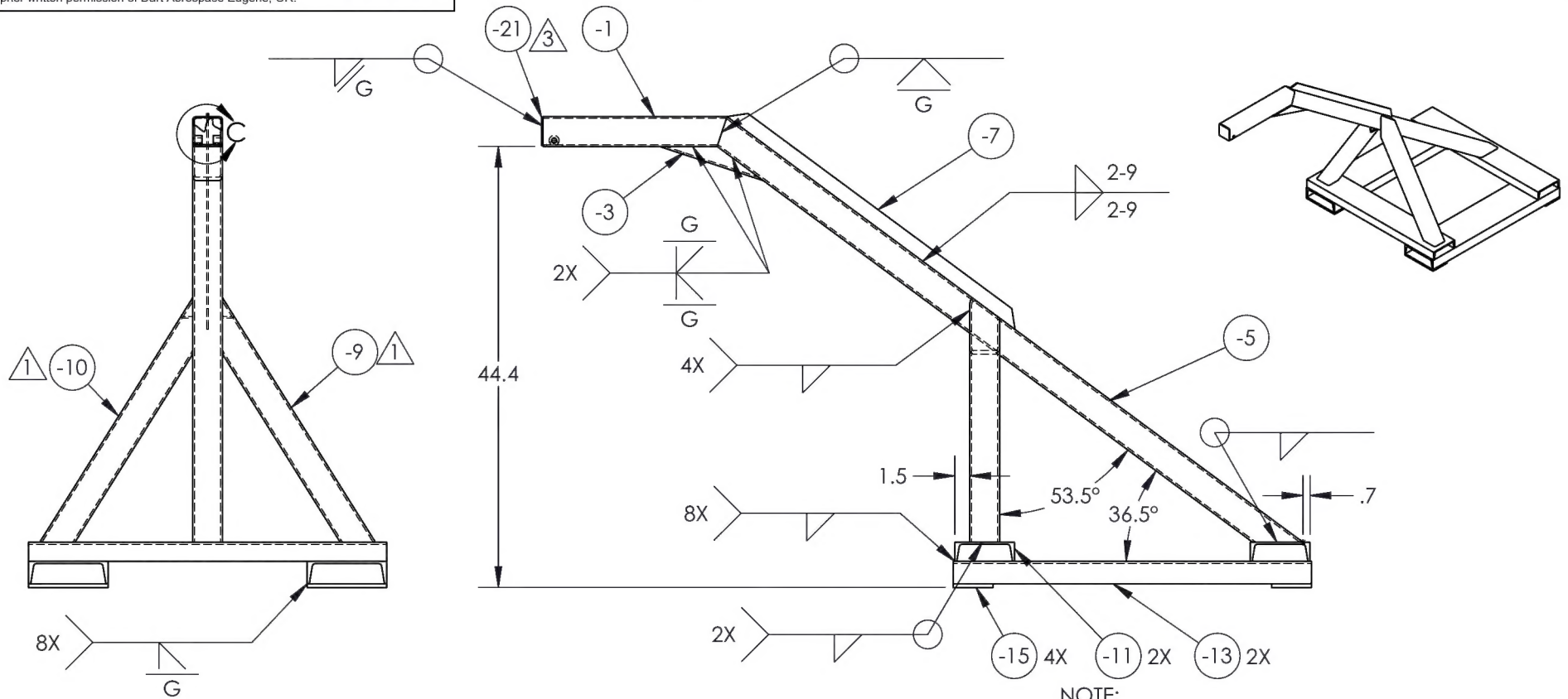
(-21)

CAP

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-21	REV 2
MAT'L 1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -23 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:1	DATE 6/20/2014
SHEET 13 OF 15	

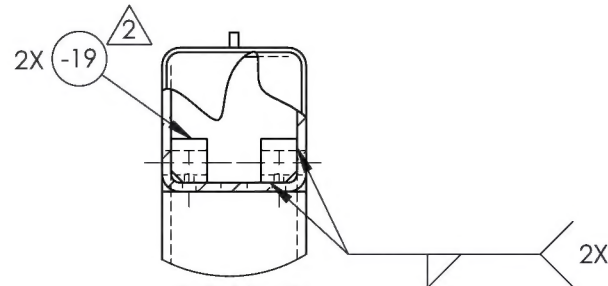
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



NOTE:

- 1 CAP & WELD OPEN ENDS & GRIND FLUSH.
- 2 WELD -19 INSIDE WITH SET SCREWS ALIGNED WITH Ø.281 HOLES.
- 3 WELD -21 TO -1.



DETAIL C
SCALE 1 : 4
SOME HIDDEN LINES
REMOVED FOR CLARITY

(-23)
CRANE WELDMENT

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-23	REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: DUERFELDT APPROVED: D Weil HEAT TREAT FINISH: POWDER COAT RED SPEC: RAL 3000 USED ON MODEL
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:16	DATE
SHEET 14 OF 15	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
			APPROVED



(-31)
DECAL

DART AEROSPACE	
TITLE FORKLIFT CRANE ATTACHMENT	
DWG NO. RBT18630-31	REV 2
MAT'L VINYL	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 1:2	DATE 6/20/2014
SHEET 15 OF 15	